

IN THE CLAIMS

No amendments, cancellations, or additions are made to the claims, which are reproduced here for the Examiner's convenience.

1. (Previously Presented) A sound generation device comprising:
an audio source to generate an audio signal;
a radio frequency (RF) transmitter, coupled to the audio source, to transmit an RF carrier signal modulated with the audio signal, the RF carrier signal having a specific carrier frequency;
and
a channel locator controller to identify an optimum carrier frequency, wherein the channel locator controller includes
a stored program digital computer, the computer to store a database of optimum carrier frequencies arranged by geolocation; and
a geolocation source coupled to the stored program digital computer to provide a geolocation to the stored program digital computer.
2. (Previously Presented) The sound generation device recited in claim 1, wherein the geolocation source comprises a table stored in one of a programmable read only memory (PROM) device, a cellular phone, a cellular switching center, and an Internet site.
3. (Previously Presented) The sound generation device recited in claim 1, wherein the channel locator controller further comprises:
an out-of-band transmitter to transmit a channel selection signal comprising an optimum carrier frequency.

4. (Previously Presented) The sound generation device recited in claim 1, wherein the geoposition source comprises one of a cellular phone, a GPS (global position system) receiver, a geoposition programming device, a data entry device, and a programmable read only memory.

5. (Previously Presented) The sound generation device recited in claim 1, wherein the sound generation device further comprises:

a channel selection circuit, coupled to the RF transmitter, to select an optimum carrier frequency on which to transmit the RF carrier signal.

6. (Previously Presented) The sound generation device recited in claim 1, wherein the sound generation device comprises one of an MP3 (Motion Picture Experts Group, Audio Layer 3) player, a compact disk player, a mini-disk player, a micro-disk player, a digital video disk player, a cassette tape player, a radio, a cellular phone, a handheld computer, a portable computer, a television, a video player, a personal digital assistant, an electronic musical instrument, an electronic toy, and a wireless microphone.

7-33. (Canceled)

34. (Previously Presented) A sound generation device comprising:

an audio source to generate an audio signal;

a radio frequency (RF) transmitter, coupled to the audio source, to transmit an RF carrier signal modulated with the audio signal, the RF carrier signal having a specific carrier frequency;

a channel locator controller to identify an available carrier frequency, wherein the channel locator controller includes

an RF receiver, coupled to the RF transmitter, to receive RF signals having different carrier frequencies; and

a channel locator circuit, coupled to the RF receiver, to identify a carrier frequency below a minimum signal strength; and

an out-of-band transmitter to transmit a channel selection signal comprising an available carrier frequency.

35. (Previously Presented) The sound generation device recited in claim 34, wherein the sound generation device further comprises:

a channel selection circuit, coupled to the RF transmitter, to select the available carrier frequency on which to transmit the RF carrier signal.

36. (Previously Presented) The sound generation device recited in claim 34, wherein the sound generation device comprises one of an MP3 (Motion Picture Experts Group, Audio Layer 3) player, a compact disk player, a mini-disk player, a micro-disk player, a digital video disk player, a cassette tape player, a radio, a cellular phone, a handheld computer, a portable computer, a television, a video player, a personal digital assistant, an electronic musical instrument, an electronic toy, and a wireless microphone.

37. (Previously Presented) A sound generation device comprising:

an audio source to generate an audio signal;

a radio frequency (RF) transmitter, coupled to the audio source, to transmit an RF carrier signal modulated with the audio signal, the RF carrier signal having a specific carrier frequency; and

a channel locator controller to identify an available carrier frequency, wherein the channel locator controller includes

a stored program digital computer, the computer to store a database of available carrier frequencies arranged by geolocation; and

a geolocation source coupled to the stored program digital computer to provide a geolocation to the stored program digital computer.

38. (Previously Presented) The sound generation device recited in claim 37, wherein the geolocation source comprises one of a cellular phone, a GPS (global position system) receiver, a geolocation programming device, a data entry device, and a programmable read only memory.

39. (Previously Presented) The sound generation device recited in claim 37, wherein the sound generation device further comprises:

a channel selection circuit, coupled to the RF transmitter, to select an available carrier frequency on which to transmit the RF carrier signal.

40. (Previously Presented) The sound generation device recited in claim 37, wherein the sound generation device comprises one of an MP3 (Motion Picture Experts Group, Audio Layer 3) player, a compact disk player, a mini-disk player, a micro-disk player, a digital video disk player, a cassette tape player, a radio, a cellular phone, a handheld computer, a portable computer, a television, a video player, a personal digital assistant, an electronic musical instrument, an electronic toy, and a wireless microphone.